

PT#15



1600

RECEIVED  
MAR 17 2003  
TECH CENTER 1600/2900

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/554,945B

DATE: 03/11/2003

TIME: 11:03:03

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF4\03112003\I554945B.raw

ENTERED

4 <110> APPLICANT: CHEN, JIA-LUN  
5 FU, GANG  
6 SONG, HUAI-DONG  
8 <120> TITLE OF INVENTION: A HUMAN HSG III GENE  
11 <130> FILE REFERENCE: CPA-100US  
13 <140> CURRENT APPLICATION NUMBER: 09/554,945B  
14 <141> CURRENT FILING DATE: 2000-05-22  
16 <150> PRIOR APPLICATION NUMBER: PCT/CN98/00199  
17 <151> PRIOR FILING DATE: 1998-09-22  
19 <160> NUMBER OF SEQ ID NOS: 2  
21 <170> SOFTWARE: FastSEQ for Windows Version 3.0  
23 <210> SEQ ID NO: 1  
24 <211> LENGTH: 2017  
25 <212> TYPE: DNA  
26 <213> ORGANISM: HOMO SAPIENS  
W--> 27 <220> FEATURE:  
28 <221> NAME/KEY: UNSURE  
29 <222> LOCATION: (1930) (1990) (2005)  
30 <223> OTHER INFORMATION: cDNA Sequence  
32 <400> SEQUENCE: 1  
33 taaagctacg ccttgccgc agtctccgcg tcacaggaac ttcagcacc acagggcgga 60  
34 cagcgctccc ctctacctgg agacttgact ccgcgcgcc ccaaccctgc ttatcccttg 120  
35 accgtcgagt gtcagagatc ctgcagcgcc ccagtcgccg cccctctccc gccccacacc 180  
36 caccctcctg gctcttcctg tttttactcc tccttttcat tcataacaaa agctacagct 240  
37 ccaggagccc agcgccgggc tgtgacccaa gccgagcgtg gaagaatggg gttcctcggg 300  
38 accggcactt ggattctggt gttagtgtc ccgattcaag ctttcccaa acctggagga 360  
39 agccaagaca aatctctaca taatagagaa ttaagtgcag aaagacctt gaatgaacag 420  
40 attgctgaag cagaagaaga caagattaaa aaaacatata ctccagaaaa caagccaggt 480  
41 cagagcaact attcttttgt tgataacttg aacctgctaa gggcaataac agaaaaggaa 540  
42 aaaattgaga aagaaagaca atctataaga agctccccc ttgataataa gttgaatgtg 600  
43 gaagatgttg attcaaccaa gaatcgaaaa ctgatcgatg attatgactc tactaagagt 660  
44 ggattggatc ataaatttca agatgatcca gatggtcttc atcaactaga cgggactcct 720  
45 ttaaccgctg aagacattgt ccataaaatc gctgccagga tttatgaaga aaatgacaga 780  
46 gccgtgtttg acaagattgt ttctaaacta cttaatctcg gccttatcac agaaagccaa 840  
47 gcacatacac tggaagatga agtagcagag gttttacaaa aattaatctc aaaggaagcc 900  
48 aacaattatg aggaggatcc caataagccc acaagctgga ctgagaatca ggctggaaaa 960  
49 ataccagaga aagtgactcc aatggcagca attcaagatg gtcttgctaa gggagaaaac 1020  
50 gatgaaacag tatctaacac attaaccttg acaaatggct tggaaaggag aactaaaacc 1080  
51 tacagtgaag acaactttag ggacttccaa tatttcccaa atttctatgc gctactgaaa 1140  
52 agtattgatt cagaaaaaga agcaaaagag aaagaaacac tgattactat catgaaaaca 1200  
53 ctgattgact ttgtgaagat gatggtgaaa tatggaacaa tatctccaga agaaggtgtt 1260  
54 tcctaccttg aaaacttgga tgaaatgatt gctcttcaga ccaaaaacaa gctagaaaaa 1320  
55 aatgctactg acaatataag caagcttttc ccagcaccat cagagaagag tcatgaagaa 1380

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```

56 acagacagta ccaaggaaga agcagctaag atggaaaagg aatatggaag cttgaaggat 1440
57 tccacaaaag atgataactc caaccagga ggaaagacag atgaacccaa aggaaaaaca 1500
58 gaagcctatt tggaagccat cagaaaaaat attgaatggg tgaagaaaca tgacaaaaag 1560
59 ggaaataaag aagattatga cctttcaaag atgagagact tcatcaataa acaagctgat 1620
60 gcttatgtgg agaaaggcat ccttgacaag gaagaagccg aggccatcaa gcgcatttat 1680
61 agcagcctgt aaaaatggca aaagatccag gagtctttca actgtttcag aaaacataat 1740
62 atagcttaaa acacttctaa ttctgtgatt aaaatttttt gacccaaggg ttattagaaa 1800
63 gtgctgaatt tacagtagtt aaccttttac aagtgggttaa aacatagctt tcttcccgtta 1860
64 aaaactatct gaaagtaaag ttgtatgtaa gctgagattt tgtatacagg aatccttatt 1920
W--> 65 tcctcatagn cttattattt tataatcagg aatatgttgc tttggaaaaa gcctcttaat 1980
66 gggctgaccn taaaaactca atcctcttct cactgtc 2017
68 <210> SEQ ID NO: 2
69 <211> LENGTH: 468
70 <212> TYPE: PRT
71 <213> ORGANISM: HOMO SAPIENS
73 <400> SEQUENCE: 2
74 Met Gly Phe Leu Gly Thr Gly Thr Trp Ile Leu Val Leu Val Leu Pro
75 1 5 10 15
76 Ile Gln Ala Phe Pro Lys Pro Gly Gly Ser Gln Asp Lys Ser Leu His
77 20 25 30
78 Asn Arg Glu Leu Ser Ala Glu Arg Pro Leu Asn Glu Gln Ile Ala Glu
79 35 40 45
80 Ala Glu Glu Asp Lys Ile Lys Lys Thr Tyr Pro Pro Glu Asn Lys Pro
81 50 55 60
82 Gly Gln Ser Asn Tyr Ser Phe Val Asp Asn Leu Asn Leu Arg Ala
83 65 70 75 80
84 Ile Thr Glu Lys Glu Lys Ile Glu Lys Glu Arg Gln Ser Ile Arg Ser
85 85 90 95
86 Ser Pro Leu Asp Asn Lys Leu Asn Val Glu Asp Val Asp Ser Thr Lys
87 100 105 110
88 Asn Arg Lys Leu Ile Asp Asp Tyr Asp Ser Thr Lys Ser Gly Leu Asp
89 115 120 125
90 His Lys Phe Gln Asp Asp Pro Asp Gly Leu His Gln Leu Asp Gly Thr
91 130 135 140
92 Pro Leu Thr Ala Glu Asp Ile Val His Lys Ile Ala Ala Arg Ile Tyr
93 145 150 155 160
94 Glu Glu Asn Asp Arg Ala Val Phe Asp Lys Ile Val Ser Lys Leu Leu
95 165 170 175
96 Asn Leu Gly Leu Ile Thr Glu Ser Gln Ala His Thr Leu Glu Asp Glu
97 180 185 190
98 Val Ala Glu Val Leu Gln Lys Leu Ile Ser Lys Glu Ala Asn Asn Tyr
99 195 200 205
100 Glu Glu Asp Pro Asn Lys Pro Thr Ser Trp Thr Glu Asn Gln Ala Gly
101 210 215 220
102 Lys Ile Pro Glu Lys Val Thr Pro Met Ala Ala Ile Gln Asp Gly Leu
103 225 230 235 240
104 Ala Lys Gly Glu Asn Asp Glu Thr Val Ser Asn Thr Leu Thr Leu Thr
105 245 250 255
106 Asn Gly Leu Glu Arg Arg Thr Lys Thr Tyr Ser Glu Asp Asn Phe Arg

```

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```

107          260          265          270
108 Asp Phe Gln Tyr Phe Pro Asn Phe Tyr Ala Leu Leu Lys Ser Ile Asp
109          275          280          285
110 Ser Glu Lys Glu Ala Lys Glu Lys Glu Thr Leu Ile Thr Ile Met Lys
111          290          295          300
112 Thr Leu Ile Asp Phe Val Lys Met Met Val Lys Tyr Gly Thr Ile Ser
113          305          310          315          320
114 Pro Glu Glu Gly Val Ser Tyr Leu Glu Asn Leu Asp Glu Met Ile Ala
115          325          330          335
116 Leu Gln Thr Lys Asn Lys Leu Glu Lys Asn Ala Thr Asp Asn Ile Ser
117          340          345          350
118 Lys Leu Phe Pro Ala Pro Ser Glu Lys Ser His Glu Glu Thr Asp Ser
119          355          360          365
120 Thr Lys Glu Glu Ala Ala Lys Met Glu Lys Glu Tyr Gly Ser Leu Lys
121          370          375          380
122 Asp Ser Thr Lys Asp Asp Asn Ser Asn Pro Gly Gly Lys Thr Asp Glu
123          385          390          395          400
124 Pro Lys Gly Lys Thr Glu Ala Tyr Leu Glu Ala Ile Arg Lys Asn Ile
125          405          410          415
126 Glu Trp Leu Lys Lys His Asp Lys Lys Gly Asn Lys Glu Asp Tyr Asp
127          420          425          430
128 Leu Ser Lys Met Arg Asp Phe Ile Asn Lys Gln Ala Asp Ala Tyr Val
129          435          440          445
130 Glu Lys Gly Ile Leu Asp Lys Glu Glu Ala Glu Ala Ile Lys Arg Ile
131          450          455          460
132 Tyr Ser Ser Leu
133          465

```

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/09/554,945B

DATE: 03/11/2003  
TIME: 11:03:04

Input Set : A:\PTO.VSK.txt  
Output Set: N:\CRF4\03112003\I554945B.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 1930,1990,2005

**VERIFICATION SUMMARY**

DATE: 03/11/2003

PATENT APPLICATION: **US/09/554,945B**

TIME: 11:03:04

Input Set : **A:\PTO.VSK.txt**

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L:27 M:283 W: Missing Blank Line separator, <220> field identifier  
L:65 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:1920  
M:341 Repeated in SeqNo=1